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(54) Title: ANIMAL EXHIBITING PTSD-LIKE BEHAVIOR, PER PCT RULE 4.3

(57) Abstract: The invention relates to production of maladapted animals characterized by PTSD like behavior from a population by behavioral conditioning. The method includes determining a baseline behavioral level for individual under defined conditions; exposing each individual animal to trauma event and further determining a posttraumatic event behavioral level; re-exposing each individual to a trauma related event and further determining an individual post trauma related event behavioral level and evaluating the individual post trauma related event behavioral level for each individual animal with respect to a baseline value according to a predetermined rule in order to determine which individuals are maladapted animals characterized by PTSD like behavior. Use of the method for assaying efficacy of PTSD treatment is within the scope of the invention, as are animals produced by claimed methods. Once the method is established, biological parameters may be employed in addition to, or in lieu of behavioral parameters.

INTERNATIONAL SEARCH REPORT

International app'
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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A01K 67/00; C12N 15/00; A61K 49/00
 US CL : 800/8, 9, 22; 424/9.2

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 800/8, 9, 22; 424/9.2

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EAST CAPLUS BIOSIS EMBASE MEDLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KLEIN, S. L. et al. Influence of Environmental Enrichment and Sex on Predator Stress Response in Rats. <i>Physiology & Behavior</i> . 1994, Volume 56, No. 2, pp. 291-297, see pages 292-296.	1-8, 10-15
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Y		8 and 16-27
X	BRAMLEY, G.N. et al. Responses of Wild Norway Rats to Predator Odors. <i>Journal of Chemical Ecology</i> . 2000, Volume 26, No.3, pp. 705-719, see pages 711-718.	1-5 and 15

Y		
Y	LOGGI, G. et al. Individual Differences in Response to Psychological Stress and Chlordiazepoxide in Adult Mice: Relations with Changes in Early Social Milieu. <i>Psychobiology</i> . 1996, Volume 24, No. 2, pp. 147-153, see pages 151-152.	16-27

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:

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"O"	document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed		

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